

VOICU, O., dr.

Utilization of nonionic tensioactive substances in crude oil
extraction. Petrol si gaze 14 no.3:126-143 Ja '63.

VOICU, P.

With a view toward evidence of tool consumption. METALURGIA SI CONSTRUCTIA
DE MASINI (Metallurgy and Machine Construction.) 2:91:Feb 55

VOICU, V.

Measuring the intensity of radiant energy with the industrial actinometer.

P. 20 (METROLOGIA APLICATA) (Bucuresti, Rumania) No. 4, Apr. 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1958

L 2046-66

ACCESSION NR: AP5027065

HU/0017/65/000/004/0203/0206

AUTHOR: Voicu, V. (Engineer); Popescu, O. (Engineer)

TITLE: Calculations for the ventilation plant in industrial baths with large widths and high temperatures

SOURCE: Metalurgia, no. 4, 1965, 203-206

TOPIC TAGS: ventilation engineering, ventilation fan

ABSTRACT: The authors derive an equation for the trajectory of the forced air jet of the ventilation plant in forced baths, and present a nomogram to determine the deviations of the jet from the horizontal symmetry plane of the forcing slit. Orig. art. has 4 figures, 24 formulas, 2 graphs, and 1 table.

ASSOCIATION: Institutul de igiena si protectia muncii (Institute of Hygiene and Labor Safety)

SUBMITTED: 00

ENCL: 00

SUB CODE: IE

NO REF SOV: 003

OTHER: 000

JPRS

Card 1/1

L 30725-86

ACC NR: AP6022123

SOURCE CODE: RU/0018/65/000/009/0533/0536

AUTHOR: Voicu, Victor

ORG: none

TITLE: Method for removing dust from air by means of curtain filters

SOURCE: Constructia de masini, no. 9, 1965, 533-536

TOPIC TAGS: air pollution control, filter, air conditioning equipment

ABSTRACT: The author discusses the purification of air in enterprises by means of curtain filters and describes the principal types of curtain filters currently available. Orig. art. has: 2 figures. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 13 / SUM DATE: none

Card 1/1 fv

UDC: 628.511:66.067

0915

0036

L 30740-66

ACC NR: AP6022114

SOURCE CODE: RU/0018/65/000/010/0581/0586

AUTHOR: Voicu, Victor; Cursaru, Ion

10
E

ORG: none

TITLE: Study of the behavior of cyclones in ventilation installations

SOURCE: Constructia de masini, no. 10, 1965, 581-586

TOPIC TAGS: ventilation engineering, air conditioning equipment

ABSTRACT: After a discussion of the calculation method of cyclones in ventilation plants, the authors summarize the results of experimental studies on the subject carried out by the Labor Hygiene and Protection Institute. Orig. art. has: 6 figures and 23 formulas. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 13 / SUBM DATE: none

Card 1/1

UDC: 621.928.6:628.83

L 30138-66 RO

ACC NR: AP6020333

SOURCE CODE: RU/0012/65/061/001/0119/0122

AUTHOR: Voicu, V. (Doctor; Lieutenant major); Popa-Zeletin, I. (Doctor; Major) ²¹_B

ORG: none

TITLE: Considerations on the relationship between caffeine and curarizing substances ²²₆

SOURCE: Revista sanitara militara, v. 61, no. 1, 1965, 119-122

TOPIC TAGS: pharmacology, drug effect

ABSTRACT: From their study of caffeine as an indirect decurarizing agent, probably involving the calcium ion, the authors conclude that caffeine sensitizes to acetylcholine, an effect proportional to the time of action of the xanthic base; caffeine contracts the right abdominal muscle of frogs blocked by curarizing substances; caffeine antagonizes the effects of tubocurarine and to a smaller extent those of decamethonium; the anti-curarizing action of caffeine is indirect, by rendering the cellular membranes permeable following mobilization of the calcium ion and increase of its activity. [JPRS]

SUB CODE: 06 / SUEM DATE: none / ORIG REF: 002 / OTH REF: 011

Card 1/1 *Th*

VOICU, V., ing.

Measurement methods for surveying the characteristic curve of
a series or parallel connected fans operating on the same
network. Metrologia apl 11 no. 7:290-293 J1 '64.

VOICU, V., ing.

Apparatus for determining the dust content. Metrologia apl
11 no. 10:451-456 0 '64.

RUMANIA/Atomic and Molecular Physics - Heat

D-6

Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 7821

Author : Voicu V.

Inst : -

Title : Measurement of the Heat Exchange Between Various Bodies

Orig Pub : Metrol. apl., 1958, 5, No 2, 55-60, 95, 96.

Abstract : Several theoretical data are given, concerning the heat exchange between two heated bodies, and certain practical examples are cited.

Card : 1/1

VOIGU, V.; CODITA, V.

Absolute measurement of the activity of nuclear radiation
sources. Pt. 6. Metrologia apl 10 no.7:322-326 J1 '63.

VOIGU, V.; CISMAS, D.; CODITA, V.

Absolute measurement of the nuclear radiation sources. Pt. 5.
Metrologia apl 10 no.6:268-273 Je '63.

TEITEL, A.; BERCEA, Irina; LUNGU, Al.; VOICU, V.

On the correlations between insulin and the processes of neuromuscular reactivity and excitability. Stud. cercet. endocr. 14 no.4/5/6:539-544 '63.

VOICU, V.

Measures for designing, constructing, and operating
ventilating installations from the viewpoint of tightness.
Rev chimie Min petr 15 no. 1: 42-44 Ja '64.

L 49203-65

RU/0018/01/000/003/0153/0156

ACCESSION NR: AP015340

AUTHOR: Voicu, Victor

TITLE: Ventilation aggregate for evacuating solvents and aerosols in the painting of parts

SOURCE: Constructia de masini, no. 8, 1964, 453-456

TOPIC: ventilation engineering

Abstract: The author describes a ventilating installation suitable for the evacuation of the solvents and aerosols commonly used in the painting of small parts, and calculates its efficiency in clearing the air of the various noxious substances. Orig. art. has 1 figure and 2 tables.

ABSTRACT: none

S E CODE: IE

10/11/64

MARKY 87: 000

JPRS

Card 1/1

VOICU, V., ing.

Checking ventilating fans. Metrologia apl 11 no. 6:248-252
Je '64.

VOICU, Victor

Ventilation aggregate for evaporating the solvents and aerosols
on part painting. Constr. no. 16 nos. 453-456 Ag '64.

VOICU, V.; CONSTANTINESCU, V.; CODITA, V.

Absolute measurement of radiation source activity. Metrologia
apl 9 no. 4:176-180 J1-Ag '62.

VOICU, V., ing.

Determination of minimum air velocities in the conduits of
dust removal plants. Metrologia apl 9 no. 4:171-175 J1-Ag
'62.

VOICU, V., ing.

Gravimetric determination of dust by the adapter method.
Metrologia apl 11 no. 1: 23-26 Ja '64.

VOICU, V., ing.

Gravimetric measurement of dust concentration with the Tyndalloscope.

-- -- Metrologia apl 10 no.9:398-402 S '63.

VOICU, V.; CODITA, V.; GISMAS, D.

Absolute measurement of activity of nuclear radiation sources.
Pt. 3. Metrologia apl 10 no.4:181-186 Ap '63.

R/003/61/012/012/001/001
D282/D305

AUTHORS: Chiotan, C., Dema, I., Frangopol, F. T., Gîră, E.,
and Voicu, V.

TITLE: Preparation of I-131 of high specific activity

PERIODICAL: Revista de Chimie, v. 12, no. 12, 1961, 706-708

TEXT: This paper was presented at the Institutul de fizică (Institute of Atomic Physics), on May 4 - 6, 1961. It describes experiments on preparing I-131 from tellurium dioxide. In the first part of the article, the authors briefly describe some preparation methods of radioiodine, referring to a great number of western publications and to the following Soviet scientists: D. J. Riabchikov, A. H. Ermakov, L. S. Kozyreva and V. S. Oreshko. In the second part of the article, they describe their experiments as follows. ✓
Powered tellurium dioxide was irradiated in the I.F.A. reactor for 3 - 4 weeks, 40 hrs every week, at a flux of $1 \cdot 10^{13}$ n/sq cm s.
The irradiated powder was then dissolved in a 10% NaOH solution by

Card 1/3

Preparation of I-131 ...

R/003/61/012/012/001/001
D282/D305

using magnetic agitation. The solution was filtrated and acidulated with H_2SO_4 to a ratio of 1 : 1. This mixture was then introduced into a balloon flask, and a 1.5% solution of $Fe_2(SO_4)_3$ was added to guarantee the oxidation of the iodine. This solution was distilled in vacuum, while the product obtained was collected in a second balloon flask, already containing a titrated solution of NaOH. The distillation process lasted 2 - 4 hrs. The concentration of the I-131 solution was achieved by evaporation in the second balloon flask. Thus, specific activity of the I-131 solution was considerably increased. The I-131 solution obtained was removed and neutralized with n HCl, up to a pH = 7. The separation efficiency of I-131 from TeO_2 irradiated under these conditions was approx 75%. ✓

Thus, 300 - 400 mC of radioiodine were obtained from a charge of 40 g TeO_2 . γ spectrometrical and chromatographical analyses of I-131 did not present Te, IO_3^- or other impurities. Chemical analyses for the identification of traces of heavy metals, arsenic

Card 2/3

Preparation of I-131 ...

R/003/61/012/012/001/001
D282/D305

Fe^{2+} , SO_4^{2-} , etc., did not indicate their presence above the limits admitted for medical purposes. Acknowledgement is made to E. A. Ivanov, M. J. Cristu and D. Papae for their cooperation. There are 1 figure and 22 references: 2 Soviet-bloc and 20 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: L. Burkinshaw, Phys. in Med. Biol., 1958, 2, p. 255; of NSA. 1958, 12, 10.183; D. S. Ballantine, Natl. Nucl. Eng. Series, Div. IV, 9, Radiochem. Studies, The Fission Products, 1951, 3, p. 1639, McGraw Hill, London, 1951; Ballantine D. S., MDDC - 1600; C. C. Evans and J. Stevenson, Brit. Pat. 763.865; cf. CA, 1957, 51, 78970; and M. Inarida, J. Chem. Soc. Japan, Pure Chem. Sect., 1960, 80, p. 400.

ASSOCIATION: Institutul de Fizică Atomică al Academiei R.P.R.
(Institute of Atomic Physics Rumanian Academy of Sciences) and Laboratorul de Preparare a Radio-
izotopilor (Laboratory for the Preparation of Radio-
isotopes)

Card 3/3

VOICU, V.; CODITA, V.

Absolute measurement of nuclear radiation source activity.
Pt. 4. Metrologia apl 10 no.5:232-236 My '63.

TEITEL, A., Prof, Dr, and VOICU, V., Lt-Maj, Dr [affiliation not given]

"Considerations on the Stimulating Effects of Atropine on the Skeletal Musculature."

Bucharest, Revista Sanitara Militara, Vol 59, No 3, May-Jun 63, pp 533-536.

Abstract: Describes a study on the effects of atropine on the abdominal muscles of frogs and the dorsal muscles of leeches. Atropine in concentrations 3×10^{-17} to 3×10^{-9} was found to produce contraction of the striated musculature, and that anticholinesterase potentiates the contracting effects of atropine on the striated musculature.

Includes 5 figures and 10 references, of which 1 Rumanian and 9 Western.

1/1

DEMA, I.; VOICU, V.

Rapid and precise method for the gravimetric determination of rhodium.
Studii cerc chim 8 no.2:323-328 '60. (EEAI 10:2)

1. Laboratorul de radiochimie al Institutului de fizica atomica,
Bucuresti.
(Rhodium)

VOICU, V.; CODITA, V.

Absolute measurement of nuclear radiation. Metrologia
apl 10 no.1:24-28 Ja '63.

SPACU, P.; VOICU, V.

Radiometric analysis of palladium. Studii cerc chim 10 no.3/4:305-
310 '62.

SPACU, P.; VOICU, V.; LABAU, L.

Electronic structure and absorption spectrum of the complex ion
 $[\text{Cu}(\text{CN})_4]^{2-}$. Studii cerc fiz 13 no.5:747-751 '62.

1. Universitatea Bucuresti, Facultatea de chimie, Institutul de metrologie,
Bucuresti si Institutul de fizica atomica, Bucuresti.

VOICU, Valeriu; DEMA, Iosif

Contributions to the analytic chemistry of palladium. Note I. Gravimetric determination of palladium in the form of complex diiodo-diamines. Note II. Gravimetric determination of palladium in the form of complex disulfocyanodiamines. Note III. Gravimetric determination of palladium with pyridine and $K_2Cr_2O_7$. Studii cerc chim 8 no.2:301-321 '60. (EEAI 10:2)

1. Laboratorul de radiochimie al Institutului de fizica atomica, Bucuresti.

(Palladium)	(Amines)	(Complex compounds)
(Iodamide)	(Pyridine)	(Potassium dichromate)

DEMA, I.; VOICU, V.

Spectrophotometric determination of palladium (II) with thiosalicylic acid. Studii cerc chim 8 no.1:173-178 '60. (EEAI 9:8)

1. Laboratorul de radiochimie al Institutului de fizica atomica, Bucuresti.

(Palladium) (Mercaptobenzoic acid)
(Spectrophotometry)

VOIC', V.

Consideration of drilling in water. p. 11.
PETROL SI GAZE, Bucuresti, Vol. 6, no. 3, Jan. 1954.

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4, no. 1, Oct. 1955,
Uncl.

RUMANIA

NICOLAU, Elena, MURESAN, V., VOICU, V., Major, Medical Corps; and DOINA, Anania

"Reaction of the Autonomic Nervous System to Some Biogenic Amines and to Nicotine"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 487-490

Abstract: Dogs were given 2 micrograms per kilogram of epinephrine or nor-epinephrine, 5 micrograms per kilogram of acetylcholine or 5 to 10 micrograms per kilogram of nicotine, then exposed to X-irradiation of 800 r. Results indicated that a non-specific "neurosympatholytic" endogenous agent is present and circulating in radiation sickness. 2 graphs.

1/1

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RUMANIA

NICOLAU, Cl., Conf. Dr.; NICOLAU, Elena; CRISTEA, Al.; MURESAN, V.; VOICU, V.,
Lieutenant-Major, Medical Corps; and STROESCU, Eugenia

"Influence of Ionizing Radiation on Epinephrine and Norepinephrine"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 492-497

Abstract: Study on mice, dogs and rats with irradiated or normal epinephrine or norepinephrine: LD₅₀, effect on rats duodenal strips, pressor response. Toxicity, vasopressor effect and beta-adrenolytic effects all increased following irradiation, corresponding to electron charge of hydroxyl groups and amine groups. 4 tables.

RUMANIA

NICOLAU, Cl., Conf. Dr.; MAURESAN, V.; CRISTEA, Al.; NICOLAU, Elena; MIU, C.,
Lieutenant-Colonel, Pharmacist; VOICU, V., Lieutenant-Major, Medical Corps;
and STROESCU, Eugenia

"Correlation Between Changes in Structure and Changes in Pharmacodynamic
Activity of Acetylcholine and Some Derivatives of Irradiated Compounds"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; p 498

Abstract: X-irradiation with 10^5 , 2×10^5 , 5×10^5 r of acetylcholine, acetyl-
choline iodide, benzensulfonate and paratoluene-sulfonate of acetylcholine;
paramagnetic resonance spectral calculation of density of labile electrons
were correlated with nicotinic effect changes.

RUMANIA

POPESCU, Gh., Lieutenant-Colonel, Medical Corps; VOICU, V., Lieutenant-Major, Medical Corps; NICOLAU, Elena; and MURESAN, V.

"Electrocardiographic Disturbances in the Acute Radiation Sickness and Their Influence Ability by Strophanthin and Tolazoline"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; p 509

Abstract: In 10 dogs exposed to 800 r, electrocardiogram before, during and 24 hours and 4 days after the irradiation; response to Tolazoline and Strophanthin of the changes following radiation. Both drugs affected irradiation-induced changes to a greater degree than they affected the heart in non-irradiated animals.

RUMANIA

VOICU, V., Lieutenant-Major, Medical Corps; MURESAN, V.; and NICOLAU, Elena

"Cardiotoxicity of Strophanthin in Irradiated Guinea Pigs"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 509-511

Abstract: In guinea pigs irradiated with cobalt⁶⁰ at 1000 r, cardiotoxic dose of strophanthin G was 0.328 mg/kg at 48; 0.208 mg/kg at 96 hrs. after irradiation, compared with 0.284 before irradiation. Electrocardiographic changes were more emenable to strophanthin in irradiated than in normal animals. Table.

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RUHANIA

YOICIL, V., Lieutenant-Major, Medical Corps; MURESAN, V.; and NICOLAU, Elena

"Reactivity of Irradiated Animals to Toxic and Median Effective Dose of Pentylenetetrazol and Caffeine"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 512

Abstract: In rats receiving 700 r, or in mice receiving 800 r, the LD₅₀ of both pentylenetetrazol and caffeine decreased. Yet on the other hand, the "lethality index" falls significantly in comparison with the non-irradiated control with regard to caffeine treatment.

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RUMANIA

VOICU, V., Dr, Lt-Maj, MURESAN, V., and NICOLAU, Elena [affiliation not given]

"The Dynamics of Radiocalcium in the Heart of the Irradiated Animal."

Bucharest, Revista Sanitara Militara, Vol 62, No 2, Mar-Apr 66, pp 299-301.

Abstract: The authors studied the behavior of calcium in the heart of irradiated frogs, using radioactive Ca^{45} . They found that the fixation of calcium in frog hearts irradiated with 3000 roentgen units is smaller than in normal frog hearts, with the difference becoming noticeable starting 10 minutes after administration of the radioactive calcium.

Includes one figure, one table and 7 references, of which one Russian, 2 German and 4 Western. -- Manuscript submitted 18 May 1965.

1/1

Radiobiology

RUMANIA

POPESCU, Gh., Dr, Lt-Col, CAVULEA, O., Veterinarian, Lt-Col,
APOSTOLESCU, R., Dr, MIU, C., Pharmacist, Maj, VOICU, V., Dr,
Lt-Col, and CHILIANU, Gh., Dr, Cpt [affiliation not given]

"Observations Concerning the Effect of Radioprotection on Irradiated
and Burned Animals."

Bucharest, Revista Sanitara Militara, Vol 62, No 2, Mar-Apr 66,
pp 289-297.

Abstract: A report on an experimental study to determine the
radioprotective effectiveness of cystamine and cystine for
burned and irradiated animals. The study, which used 180 mature
rats, showed that the protected animals, especially those irra-
diated with 400 oentgen units, showed a more attenuated evolution
of the disease and a somewhat smaller intensity of histopathologic
lesions. The difference in mortality between the protected ani-
mals and the controls was not significant.

Includes 7 figures, 2 tables and 12 references, of which
5 Rumanian, 2 Russian and 5 Western. -- Manuscript submitted 19
July 1965.

Voicu, Victor

ROMANIA / Chemical Technology. Chemical Products and
Their Application. Accident Prevention.
Sanitary Engineering.

H

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 64905

Author : Voicu Victor

Inst :

Title : Calculation of Heat Radiation

Orig Pub: Metrol. apl., 1957, No 8, 18-23

Abstract: Describes the sources of heat radiation in in-
dustry and its action on the organism of man.
Methods of calculating the intensity of radiation
and methods of combatting it are cited.

Card 1/1

15

VOICU, V.

Considerations on "Water Drilling" Petrol Si Gaze (Petroleum and
Gases), #3:89: Mar 55

VOICU, V.G.; NASCUTIU, T.

Paper chromatography of platinic metals. Studii cerc chim 9 no.4:
699-718 '61.

1. Institut de fizica atomica, Bucuresti.

VOICULESCU, A.

VICIU, Emil; ARSENESCU, GH.; ZAMFIRESCU, N.; MUSTATA, N.; VOICULESCU, A.

Experimental studies of the effect of oxygen on the frog heart.
Probl. card., Bucur. 2:179-187 1956.

(MYOCARDIUM, physiology

eff. of intravenous inject. of oxygenated fluid on
electrophysiol. of frog heart in situ.)

(ELECTROCARDIOGRAPHY, experimental

eff. of intravenous inject. of oxygenated fluid,
in frogs.)

(OXYGEN, effects

on electrophysiol. of frog heart in situ, admin.,
intravenous inject. of oxygenated fluid.

VOICULESCU, A.

VICIU, E.; VOICULESCU, A.; IONESCU, V.

Behavior of hemodynamic factors in hypertensive disease during the cold test. Probl. card., Bucur. 2:198-223 1956.

(HYPERTENSION, diagnosis

cold pressor test, behavior of hemodynamics)

(BLOOD PRESSURE,

eff. of cold pressor test in hypertension,
hemodynamic factors)

CHIRA, A.; BINKITS, B.; VOICULESCU, A.

Spectral analysis of crude zinc. Rev chimie Min petr 15 no.6:
352-353 Je '64.

RUMANIA -/ Human and Animal Physiology (Normal and Pathological). T-4
Blood.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60315

Author : Arsenescu, Gh.; Voiculescu, A.; Zamfirescu, N.

Inst : Not given

Title : Investigation of Changes in the Electrical Profile Along
the Polar Axis and Along Axes Parallel to the Polar One,
in an Artificial Electrical Field with a Reduced Volume-
Conductor. The Importance of This Phenomenon in the
Interpretation of Some Bio-Electrical Fields

Orig Pub : Fiziol. norm. si patol., 1956, 3, No 3, 335-345

Abstract : No abstract given

Card 1/1

RUMANIA / Human and Animal Physiology. Blood Circulation. The Heart. T

Abs Jour: Ref Zhur-Biol., No 22, 1958, 101834.

Author : Arsenescu, Gh.; Voiculescu, A.; Teodorini, Sanda;
Vrinceanu, R.

Inst :
Title : Investigation of Current at Rest and of the Electrocardiogram in Acute Coronary Occlusion in Mammals in situ.

Orig Pub: Fiziol.-norm. si patol., 1958, 5, No 1, 53-65.

Abstract: No abstract.

Card 1/1

VOICULESCU, A.

EXCERPTA MEDICA Sec 18 Vol. 2/10 Cardio. Diseases Oct. 58

2955. *Action of some substances on the myocardium as demonstrated by changes produced in the normal ECG of the frog heart in situ by application of the substance in question to the apex of the heart* Cercetarea acțiunii unor substanțe asupra miocardului prin studiul modificărilor produse pe electrocardiograma normală a cordului de broască in situ după aplicarea substanței de cercetat asupra vârfului cordului. ARSENESCU GH., VOICULESCU A., CONSTANTINIU I., IONESCU V., TEODORINI S. and MUSTATA N. Inst. de Fiziol. Normală și Patol., București Stud. Cercet. Fiziol. 1957, 2/3-4 (373-405) Graphs 26 Illus. 1

The questions to be answered were as follows: (1) Is it possible to ascertain the action of a substance by studying the ECG changes produced by its application to the apex of the frog heart beating in situ? (2) Are the changes observed due to phenomena of depolarization and repolarization of the point of application or changes of the ECG of the whole heart? (3) Is there a correlation between dose and effect? (4) Are the ECG changes thus produced specific for the substance or group of substances? It was found that ACh, veratrine, K ion, iodoacetic acid and 2-(diethylaminomethyl)-1:4-benzodioxan ('F 883') have a catelectrotonic action and adrenaline, oxygen, strychnine, strophanthin and Ca ion an anelectrotonic action. Specific ECG changes for these 2 groups of substances were noted. The monophasic action current, representing 2 modes of inhibition, does not constitute a specific aspect of the action of these substances. These experiments form a contribution to the vectorial interpretation of the indirect and even the direct unipolar ECG. The answer to the first of the above questions is in the affirmative.

Graur - Bucharest (II, 18)

VICIU, Emil.; ARSENESCU, Gh.; MUSTATA, N.; VOICULESCU, A.

Electrophysiological explanation of the phenomenon of partial contractions on isolated fibers and the intact heart; its experimental reproduction. Probl. card., Bucur. Vol. 1: 123-166 1955.

(HEART, physiology
electrophysiol. of contractions of isolated fibers &
intact heart of frog)
(ARRHYTHMIA, experimental
gallop rhythm, prod. in isolated frog heart)

RUMANIA / Human and Animal Physiology (Normal and Pathological). Blood Circulation. Heart. T

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97489

Author : Arsenescu, Gh.; Voiculescu, A. ; Constantiniu, I.;
Ionescu, V.; Teodorini, S.; Mustata, N.

Inst : Not given

Title : Investigation of Effect of Certain Substances on
Heart Muscle Through Study of Normal Electrocardio-
gram Changes of Frogs Heart in Situ Induced by
Application of Substances on the Heart Apex

Orig Pub: Studii si cercetari fiziol. Acad. RPR, 1957, 2,
No. 3-4, 373-405

Abstract: Changes of electrogram and monophasic current of
action of frogs heart in anode and cathode polariza-

Card 1/3

RUMANIA / Human and Animal Physiology (Normal and Pathological). Blood Circulation. Heart. T

Abs. Jour: Ref Zhur-Biologiya, No 21, 1958, 97489

zation, as well as in local application or intravenous introduction of a number of substances in various doses are described. According to the changes, in the monophasic current of action, induced by them, acetylcholine, veratrine, K, monidoacetic acid and preparation 883 F may be regarded in usual doses as substances with catelectrotonic action, and adrenaline, O₂, novocaine, strychnine, strophanthin, and Ca may be regarded as substances with anelectrotonic type of action. The authors point out that catelectrotonic and anelectrotonic substances induce changes of electrogram which bring it, according to pattern, near to monophasic current of action. Transition phases from the normal electrogram to the monophasic are specific for catelectrotonic or

Card 2/3

RUMANIA / Human and Animal Physiology (Normal and Pathological). Blood Circulation. Heart. T

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 971-89

anelectrotonic action of various substances. Described experiments are evidence in favor of vector interpretation of unipolar electrogram (departing from the apex or basis cardii) and points out that the electrocardiographic method utilized by the authors may be useful by study of action of various substances on heart muscle. --From author's resume.

Card 3/3

VOICULESCU, C., geolog (Bucuresti)

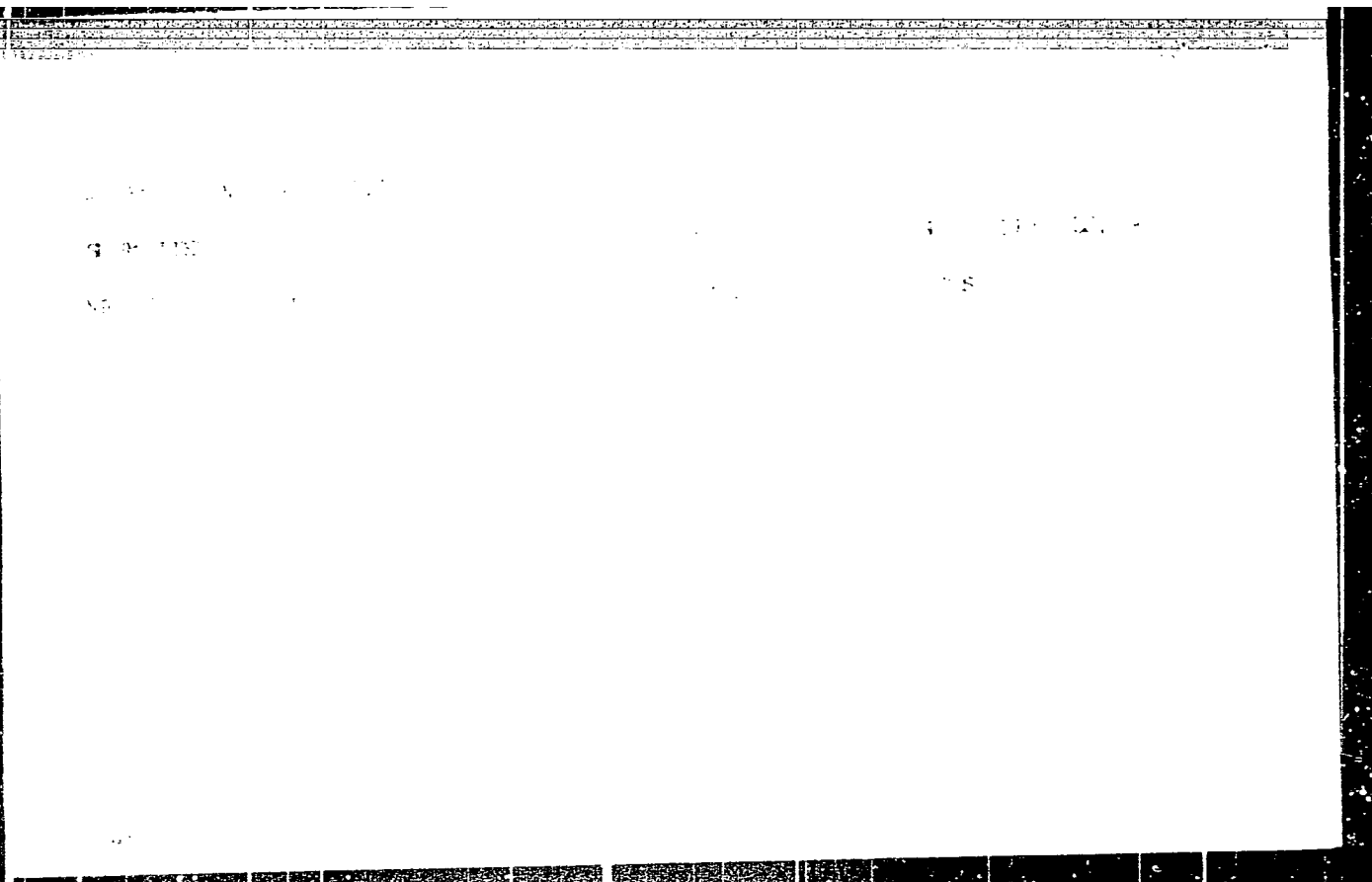
"The year book of the geologic committee." Vol. 32.
Reviewed by C. Voiculescu. Natura Geografie 16 no. 2:
89-90 Mr-Ap '64.

VOICULESCU, C. Ion., prof. (Bucuresti)

Utilization of films in teaching. Natura Biologie 16 no. 1:
57-59 Ja-F '64.

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860410009-2



APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860410009-2"

TOPCIU, Vl.; OLARU, Gh.; BACILA, E.; VOICULESCU, D.; MOLDOVANU, E.;
NEVINDGLOVSKI, O.

Contributions to the study of the epidemic of influenza of
February - March, 1962. Stud. cercet. inframicrobiol. 14
no.5:593-602 '63.

(INFLUENZA) (EPIDEMIOLOGY)

576.8.097.35-085.371 9

RUMANIA

TOPCIU, Vl., PLAVOSIN-BABUSCEAC, Livia, CSAKY, N., RADU, G.,
VOICULESCU, D., TRANDAFIRESCU, Virginia, NICOLAU, I., STEFAN,
Margareta, COMSULEA, Lia, and KECSKES, Elisabeta, of the Insti-
tute of Hygiene and Public Health (Institutul de Igiena si Sana-
tate Publica), Timisoara.

"The Evolution of Antivariollic Postvaccinal Immunity in Different
Age Groups Expressed by the Titer of Agglutination Inhibition
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Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 17,
No 4, 66, pp 317-321.

Abstract: In a study of 1,074 sera from persons of various ages,
84.3 percent contained various amounts of antivaccine hemagglu-
tinating antibodies. The curve of average titer versus age shows
4 peaks corresponding to maternal antibodies, first vaccination,
revaccination at 7 years, and revaccination in the armed services.
Small titers of the antibodies persist throughout life, with higher
levels for approximately 3 years following vaccination.

Includes 2 figures and 9 references, of which 2 Russian,
3 German and 4 Western.

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Ch. (Bucuresti); VOICULESCU, Dan (Bucuresti); TEODORESCU, I.
(Galati); IONESCU-TIU, C.; POPA, Eugen I. (Iasi); POPA, H.
Alexandru (Pucioasa); STAVRE, Petre (Craiova); MUSTA, St. (Oradea)

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Inst : -
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(POLIOMYELITIS compl.)

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(INFECTION)

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"A Great Figure in Rumanian Science: Professor Ion
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Clinic No I for Infectious Diseases of the "Colentina"
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(HEPATITIS, EPIDEMIC) (PREDNISOLONE) (CORTISONE)
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Voiculescu, M.

RUMANIA

VOICULESCU, M., MD, Professor; SAHLEANU, V., MD; VASILIU, G., MD; STEINBACH, M., MD.

1. Clinic No 1 for Infectious Diseases (Clinica de Boli Infectioase Nr. 1), Bucharest; 2. Endocrinological Institute of the Academy of the R.P.R. (Institutul de Endocrinologie al Academiei R.P.R.); 3. Pediatrics Section of Hospital No 2 of the Rumanian Railroads, (Serviciul de Pediatrie al Spitalului C.F.R. Nr. 2) Bucharest; 4. Institute of Internal Medicine of the Academy of the R.P.R. (Institutul de Medicina Interna al Academiei R.P.R.).

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~~Use of corticosteroid preparations in therapy of tuberculous meningitis.~~
Med. int., Bucur. 10 no.5:701-710 May 58.

1. Lucrare efectuata in Clinica de boli contagioase I.M.F. si Spitalul de contagiosi I.M.F. si Spitalul de contagiosi "Colentina" Bucuresti.
(TUBERCULOSIS, MENINGEAL, therapy
adrenal cortex hormones with isoniazid, PAS & streptomycin)
(ADRENAL CORTEX HORMONES ther. use
tuberc., meningeal, with isoniazid, PAS & streptomycin)

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STOPLER, Tr., dr.; CAMUESCU, V.;dr.; VOICULESCU, M., prof.

Bronchopneumonia with fatal evolution caused by a microorganism
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no.5:457-460 S-O '64

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VOYKULESKU, M. [Voiculescu, M.], prof., doktor

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1. I klinika infektionnykh bolezney Bukharestskogo mediko-farmatsevticheskogo instituta i Infektsionnaya bol'nitsa, Bukharest.

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Bronchopneumonia with lethal evolution determined by a micro-
organism of the genus Bacillus (B. Cereus). Rumanian med. rev.
19 no.2:7-9 Ap-Je '65.

EXCERPTA MEDICA Sec.7 Vol.11/3 Pediatrics Mar 57

582. VOICULESCU M. and MARINESCU G. Clin. de Boll Infect., Spitalul Colentina, Bucuresti. *Laringo-traheita pseudomembranoasa gripala. Laryngo-tracheal pseudomembranes in influenza PEDIATRIA 1955, 1 (55-60) Illus. 4

The authors put forward from the clinical, histopathological, and experimental point of view 2 cases seen during the influenza epidemic of 1951, with a syndrome of acute obstruction of the respiratory tract and subsequent death.

EXCERPTA MEDICA Sec 8 Vol 12/9 Neurology Sept 59

4474. CORTICOTHERAPY IN PURULENT MENINGITIS - Corticoterapia în meningite purulente - Voiculescu M. and Boctrnea C. Clin. Bolilor Contag. I.M.F., Bucuresti - VIATA MED. 1958, 5, 4 (307-314) Tables 2

A study was made of 18 cases (in patients between 16 and 57 yr. of age); 10 were due to *Diplococcus pneumoniae*, 2 to *Staphylococcus*, 1 to *H. influenzae* and 5 were without ascertainable aetiology. Ten of the patients were hospitalized in the first few days of their illness; they received 3 antibiotics: penicillin, averaging 3,200,000 U. daily, mainly by the i.m. route; chloramphenicol, 3 g. daily; and sulphathiazole, starting with 12 g. per day; (in some cases, streptomycin or tetracycline were added); in all cases, antibiotic treatment was associated with i.m. injection of cortisone, 200 to 250 mg. for the first 2 days, 150 to 200 mg. for the next 2 days, then 25 to 50 mg. daily. Duration of the treatment: 8 to 12 days. Finally, 25 to 50 mg. of ACTH were given daily for 3 to 4 days. The 18 cases were compared with 15 controls suffering from purulent meningitis (of the same or almost the same aetiology), who were submitted to the same type of treatment, with the exception of the hormonal drugs (corticosteroids). Results: of the 18 cases treated with corticosteroids, 14 were cured completely and 2 with sequelae; of the 15 control patients without corticotherapy, 10 were cured, 1 retained sequelae and 4 succumbed. With corticosteroids, the disease ends sooner; the hormonal treatment provokes no accidents. If the organism of the purulent meningitis is known to be sensitive to antibiotics, association with hormones increases the chances of cure.

Schachter - Marseilles (L, 8)

EXCERPTA MEDICA Sec 8 Vol 12/10 Neurology Oct 59

5047. CLINICAL PATTERN AND PROGNOSIS OF POLIOMYELITIS ACCOMPANIED BY RESPIRATORY DISORDERS IN THE YOUNG CHILD - Clinica și prognosticul formelor de poliomielite cu tulburări respiratoare la copii de vîrstă mică - Voiculescu M., Bruckner S., Dan B., Leonescu M., Rădulescu A. and Predescu I. Clin. Bolilor Contag. I.M.F., București - PEDIATRIA (București) 1959, 8/2 (133-142)

Particular importance is attached to the severity of such forms in young children, as expressed by: (a) The high incidence rate of combined forms (spinobulbopontine and encephalitic), suggesting a diffuse extension of the poliomyelitic process to the CNS; (b) the high lethality rate of these forms in young children. Recovery occurred in only 25.7% of these severe forms below the age of 2 yr., whereas recoveries were obtained in 45.4% of the cases in the 5-15 yr. age group. (L,7,8)

AND AIR TRANSPORT - Réanimation

VOICULESCU, M.

REVISTA MEDICA Soc.10 Vol.11/4 Obstetrica-Ginec. Apr 53

564. THE INFLUENCE OF INFECTIOUS HEPATITIS ON PREGNANCY - Influența hepatitei epidemice asupra sarcinii - Voiculescu M., Goltescu M., Benedict I., Rădulescu M., Angelescu M., Teodorescu S. and Negreanu W. Clin. de Boli Contagioase I.M.F., București - OBSTET. GINEC. (București) 1956, 4/5 (379-389) Tables 2

Fifty pregnant patients with epidemic hepatitis and 22 with epidemic hepatitis 1 month to 3 yr. before pregnancy, were studied. (1) Epidemic hepatitis in pregnancy constitutes a real danger to the development of the pregnancy and of the foetus: (a) 40% of the cases had premature births and 8% abortions; (b) the child was immature in 32.6% of the cases (immature and non-viable 3%, stillborn 2.1%, congenital malformations 4%). (2) Epidemic hepatitis before conception is often a factor with a harmful effect on the development of the subsequent pregnancy. (3) Trans-placental infection is possible. (4) Congenital malformations occurred in a lower percentage than with other maternal virus infections, and in the same percentage as that stated by other authors (4%). (5) The harmful effect of epidemic hepatitis

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in pregnant women and on the foetus, necessitates the application of all the prophylactic measures to pregnant women exposed to infection, including specific prophylaxis with γ -globulins. (6) Therapeutic interruption of a pregnancy appears justified, but it is limited to certain cases, according to the indications analysed in this article. (X, 50)

VOICULESCU, M., Prof.; ROSCA, M.

~~RETRACTED INFORMATION~~
Late relapse in typhoid fever treated with antibiotics.
Rev. igiena microb. epidem., Bucur. 1:58-62 Jan-Mar 55.

1. Lucrare efectuata in clinica boli contagioase Colentina.
(TYPHOID FEVER
late relapse, after antibiotic ther.
(ANTIBIOTICS, ther. use
typhoid fever, late relapses in two cases.

EXCERPTA MEDICA Sec 4 Vol 12/6 Med. Micro. June 59

1693. BOYD DYSENTERY - Die Boyd-Ruhr - Voiculescu M., Neuman M.,
Elian M., Horodniceanu Th., Russ M., Vlad R. and Dancu J.
Krankenh. für Infektionskrankh., Colentina, Rumänien - Z. HYG. INFEKT.-KR.
1958, 145/1 (34-41) Graphs 2

The first 26 cases, observed in 1957 in the Bucharest area, are described. 7.5% of
the bacteriologically verified dysentery cases were Boyd dysentery: 16 cases of
typical dysentery, 6 of food poisoning and 4 of enterocolitis. Serotype 4, phago-
type H, MS was found, with the exception of one strain, being serotype 2, phagotype
Y₂.

VOICULESCU, M.; ANGELESCU, M.

Inoculation hepatitis; role of injections and blood transfusion in prevention of viral hepatitis. Przegl. epidem., Warszawa 13 no.1:75-79 1959.

1. Z Kliniki Chorob Zakaźnych w Bukareszcie.
(JAUNDICE, HOMOLOGOUS SERUM, prev. & control,
(Pol))

VOICULESCU, M., Prof.; BENEDICT, I., dr.

Recent trends in therapy of brucellosis. Med. inst., Bucur.
3 no.7:1051-1057 Nov 56.

1. Clinica de boli infectioase Bucuresti.
(BRUCELLOSIS, therapy)